# DATA TRANSMISSION SYSTEM AND MOBILE COMMUNICATION SYSTEM


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**- European:**

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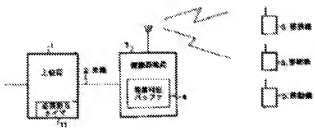
Abstract of **JP10174185**

PROBLEM TO BE SOLVED: To minimize data avoided undesirably due to mismatching between a transmission speed and a buffer capacity and invalid data losing real time performance. SOLUTION: A host station 1 designates an outgoing control physical channel structure to a radio base station 3 at the start system operation. The radio base station 3 obtains an optimum buffer capacity Cs according to an equation Cs=Vs× Te, where Vs is a transmission speed in each function channel depending on a designated control physical channel structure an Te is a time a reply wait time of a host station 1 from a mobile equipment 5 with some margin. Since the buffer capacity is selected in this way, data invalidated not in time for a reply wait of the host station 1 in a consecutive high load state are aborted before being stored in the buffer. Thus, the data sent to the mobile equipment 5 actually are all validated and then the transmission capability of a radio channel is utilized efficiently.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